

25X1

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 10 October 1958

SUBJECT Test Stands for Aircraft Engines and Compressors at VEB Entwicklungsbau Pirna (Plant 802)

NO. OF PAGES 1

**PLACE
ACQUIRED**

NO. OF ENCLS.

DATE OF INFO.

REFERENCES:

SUPPLEMENT TO
REPORT NO.

25X1

25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT 50 U.S.C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

PROCESSING COPY 25X1

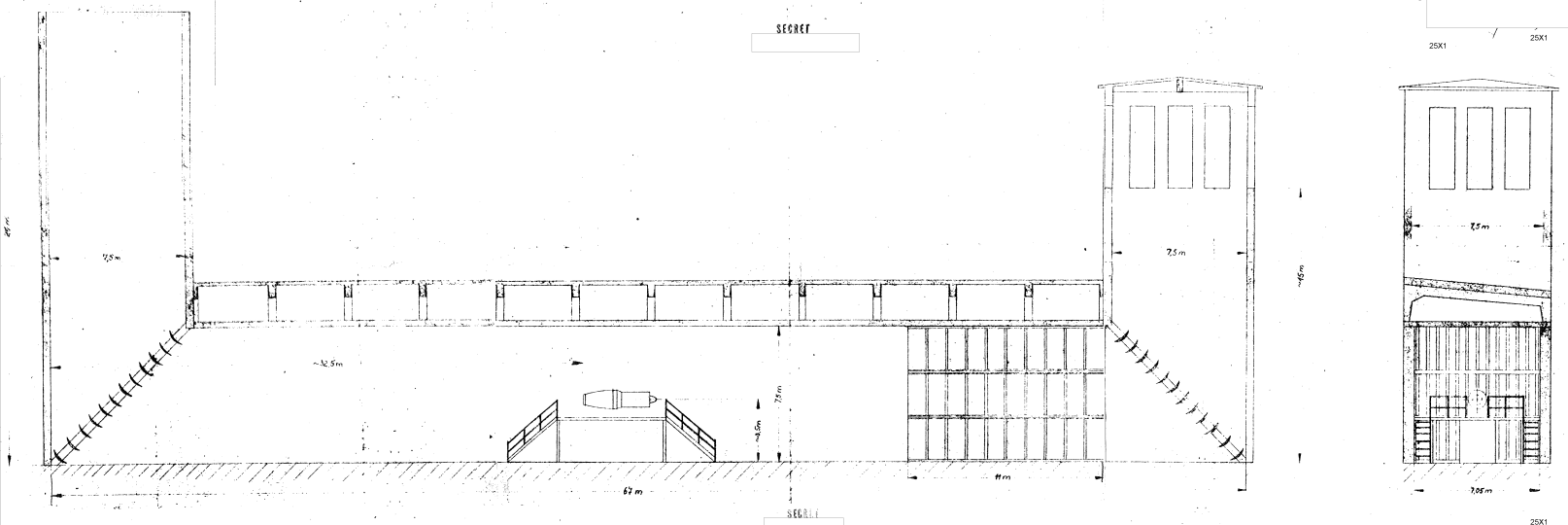
1. Prior to 28 June 1958, it was learned that four test stands, which differ only in their equipment, belonged to Plant No 802, Pirna, of VVB-Flugzeugbau. The test stands Nos 1 and 2 are used for the testing of turbojet engines. The trestle mounting the engine is suspended by three plate springs, each 400 x 200 x 3 mm. It has hydraulic equipment for absorbing the resonant vibrations. The measuring apparatus has hydraulic operation with a range of up to 5,000 kph. The hydraulic measure cells on which the spring movements of the trestle are transmitted were built in Plant No 802.
2. Test stand No 3 is used for the testing of turboprop engines. It is equipped with a water brake for power absorption of 6,000 hp and a hydraulic measuring apparatus for a remaining thrust of up to 6,000 kph, as well as a hydraulic torque indicator. Test stand No 4, which is used for the testing of compressors is equipped with a 5,000-watt electric motor for starting complete compressors.
3. There are plans to establish stands Nos 5 and 6 for testing the OI8-turboprop, equipped with propeller locks. These stands are scheduled to have a measuring channel of 10 x 10 meters, in against 7.5 x 7.5 meters on the available stands. Excavation work for these stands started in June 1958 adjacent to stand No 4.
4. It has also been planned to start about October 1958 remodeling work on stand No 1 so that it can be used for the testing of OI8-turboprop with propeller. Work included structural changes on the trestle and the installation of a concrete propeller shield. Work was scheduled to last three months.

25X1

CLASSIFICATION - SECRET

| | | | | | | | | |
|-------|-------------------------------------|------|-------------------------------------|------|--------------|--|--|--|
| STATE | <input checked="" type="checkbox"/> | NAVY | <input checked="" type="checkbox"/> | NSRB | DISTRIBUTION | | | |
| ARMY | <input checked="" type="checkbox"/> | AIR | <input checked="" type="checkbox"/> | FBI | | | | |

SECRET



SECRET
U.S. OFFICIALS ONLY
CLASSIFICATION

25X1

COUNTRY East Germany

REPORT

25X1

SUBJECT VVB-Flugzeugbau, Plant No 802 Pirna,
Test Stands

DATE OF REPORT 19 September 1958

PLACE ACQUIRED

25X1

LAST REPORT ON SUBJECT
(If applicable)

ANNEXES 1-sketch

25X1

1. Prior to 28 June 1958, it was learned that four squally built test stands, which differ only in their equipment, belonged to Plant No 802, Pirna, of VVB-Flugzeugbau. The test stands Nos 1 and 2 are used for the testing of turbojet engines. The trestle mounting the engine is suspended by three plate springs, each 400 x 200 x 3 mm. It has hydraulic equipment for absorbing the resonant vibrations. The measuring apparatus has hydraulic operation with a range of up to 5,000 kph. The hydraulic measure cells on which the spring movements of the trestle are transmitted were built in Plant No 802.
2. Test stand No 3 is used for the testing of turboprop engines. It is equipped with a water brake for power absorption of 6,000 hp and a hydraulic measuring apparatus for a remaining thrust of up to 1,000 kph, as well as a hydraulic torque indicator. Test stand No 4 which is used for the testing of compressors is equipped with a 5,000-kW electromotor for starting complete compressors.
3. There are plans to establish stands Nos 5 and 6 for the testing of the O18-turboprop, equipped with propeller brake. These stands are scheduled to have a measuring channel of 10 x 10 meters, as against 7.5 x 7.5 meters on the available stands. Excavation work for these stands started in June 1958 adjacent to stand No 4.
4. It has also been planned to start in about October 1958 remodeling work on stand No 1 so that it can be used for the testing of O18-turboprop with propeller. Work included constructional changes on the trestle and the installation of a concrete propeller shield. Work was scheduled to last three months.

25X1

Comment. Attached in the Annex is the copy of a drawing of a test stand in Plant No 802, Pirna, of VVB-Flugzeugbau. The drawing was made by source in June 1958.

25X1

SECRET -- U.S. OFFICIALS ONLY

Distribution:

25X1